



Attorney Docket No. 59886 (49157)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS	Garner, et al.	EXAMINER:	M. A. Moran
U.S.S.N.:	09/998,904	GROUP:	1631
FILED:	November 30, 2001	Conf. No.	4132
FOR:	PREDICTION OF DISEASE-CAUSING ALLELES FROM SEQUENCE CONTEXT		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service, in an envelope with sufficient postage as first class mail addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 3, 2003.

By: _____

Rachelle Chery

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RESPONSE TO RESTRICTION AND ELECTION OF SPECIES REQUIREMENT

This paper is responsive to the Restriction and Election of Species Requirement mailed October 2, 2003.

Applicants hereby elect Group I, which presently includes claims 1-57 and 203-204, with traverse.

Within this Group, Applicants further elect the following species as required by the Examiner. Applicants elect the chemical modification species, methylation, from the list set forth in claim 3. Applicants elect a single method of determining a variation or mutation frequency, namely, determining the variation frequency from a dataset of know diseases (e.g., as recited in claim 12). Applicants further elect a single method of adjusting a variation or mutation frequency, namely, adjusting the variation frequency